

ITS332 – Quiz 1

Name: _____ ID: _____ Marks: _____ (6)

Question 1 [0 marks]

What is the number of your computer (it is on the monitor)?

Question 2 [2 marks]

- (a) How many interfaces does your computer have? Describe each of them (e.g. what are the devices that each interface corresponds to, what are they used for).

- (b) What is the IPv6 address of the interface that has Internet connectivity? What command did you use to find it?

Question 3 [3 marks]

While using `tcpdump` and Wireshark to capture a DNS protocol exchange, find the IP address for `www.bing.com`. Then answer the following questions:

- (a) What is an IP address of the `www.bing.com` server?

- (b) Is `www.bing.com` the “real” name of the server? If yes, then how do you know? If no, then what is the “real” name?

(c) What is the value, in hexadecimal or binary, of the type of answer?

Question 4 [1 marks]

What command/program would you use to find the set of routers between a source and destination in the Internet?